

METHOD AND SYSTEM FOR PREDICTIVE CONTROL FOR LIVE STREAMING VIDEO/AUDIO MEDIA

ABSTRACT OF THE DISCLOSURE

5 A technique for digital video processing in a predictive manner is provided. In one
embodiment, a method for processing digital video signals for live video applications
comprises providing video data that comprise a plurality of frames, identifying a first frame
and a second frame in the frame sequences, and processing the information of the first frame
and the information of the second frame to determine a quantization step for the second
10 frame. The step of processing the information of the first frame and the information of the
second frame further comprises calculating a sigmaSAD value for the second frame,
calculating a divisor value for the second frame, and calculating the quantization step for the
second frame. In another embodiment, a system for processing digital video signals for live
video applications comprises a memory unit within which a computer program is stored. The
computer program instructs the system to process digital video in a predicative manner. In
yet another embodiment, a system for processing digital video signals for live video
applications comprises various subsystems that together process digital video in a predictive
manner.

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